

Version Showing Changes in the Amendment

1. (amended) An array composition comprising:
 - a) a substrate with a surface comprising discrete sites; [and]
 - b) a population of microspheres comprising at least a first and a second subpopulation, wherein each subpopulation comprises a bioactive agent; and
 - c) at least one fiducial, [;]wherein said microspheres are distributed on said surface.
3. (amended) An array composition according to claim 1 wherein each subpopulation comprises an identifier binding ligand that will bind a decoder binding ligand for identification and elucidation of the bioactive agent.[such that the identification of the bioactive agent can be elucidated.]
19. (amended) A method according to claim 18 wherein said subpopulations further comprise an identifier binding ligand that will bind a decoder binding ligand for identification and elucidation of the bioactive agent.[such that the identification of the bioactive agent can be elucidated.]
20. (amended) A method according to claim 18 wherein said subpopulations further comprise an optical signature for identification and elucidation of the bioactive agent.[such that the identification of the bioactive agent can be elucidated.]
28. (new) A composition according to claim 1, wherein said discrete sites are wells.
29. (new) A composition according to claim 1, wherein said microspheres are randomly distributed on said substrate.
30. (new) A method according to claim 18, wherein said discrete sites are wells.
31. (new) A method according to claim 18, wherein said microspheres are randomly distributed on said substrate.